

AMENDMENTS TO THE CLAIMS

The current listing of the claims replaces all previous amendments and listings of the claims.

1. (Currently Amended) ~~A myoelectric pattern classification method comprising A~~
myoelectric pattern classification method comprising:

extracting a feature pattern from a myoelectric pattern that is a muscle action potential
using logarithmic transformation processing ~~to extract a feature pattern from a myoelectric~~
~~pattern that is a muscle action potential;~~

classifying the extracted feature pattern; and

generating an output control signal.

2. (Currently Amended) A myoelectric pattern classification apparatus comprising:
a feature-pattern extraction apparatus ~~that uses~~ configured to use a logarithmic
transformation apparatus to extract a feature pattern from a myoelectric pattern that is a
muscle action potential[[,]]; and

a pattern classifier ~~that classifies~~ configured to classify the extracted feature pattern
and ~~generates~~ to generate an output control signal.

3. (New) The myoelectric pattern classification method according to claim 1,
wherein the extracted feature pattern is classified by one of a neural network and a logic
circuit.

4. (New) The myoelectric pattern classification method according to claim 1,
wherein the extracted feature pattern is classified by one of a real value filter of a neural
network and a logic value filter of a logic circuit.

5. (New) The myoelectric pattern classification apparatus according to claim 2,
wherein the pattern classifier comprises one of a neural network and a logic circuit.

6. (New) The myoelectric pattern classification apparatus according to claim 2, wherein the pattern classifier comprises one of a real value filter of a neural network and a logic value filter of a logic circuit.